



***Maharashtra State Electricity Transmission
Company Ltd.***

State Load Dispatch Center, Airoli

Daily system Report

for

08/Oct/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 08/Oct/2014 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	105.561	873.271	1) Gujrat	6.527	81.608
2) Hydro	11.402	114.628	2) Madhya Pradesh	22.418	176.084
3) Gas	10.456	82.514	3) Chattisgarh	9.630	73.090
Total MSGENCO	127.419	1070.413	4) Maharashtra Net	115.620	918.985
B) 1) JSW JAIGAD	25.312	219.821	(Incl. 765kV Solapur-Raichur)	-7.146	-82.020
2) WPCL	5.201	39.700	5) Goa	-7.132	-57.272
3) ADANI	50.850	302.260	6) TAPS 1&2 Injection	7.094	57.023
4) Other CPP / IPP	14.348	124.401	7) RGPPL Injection	0.000	0.000
5) Wind Generation	2.795	27.019	8) Pench (Excess)	-0.854	-7.493
6) PENCH (MS)	0.854	7.493	# Total Cent. Sector	153.303	1242.025
7) SOLAR	0.800	8.176	F) Other Exchanges		
C) 1) TPCL Thermal	19.948	157.923	1) With TPCL (Excess)	-25.407	-200.645
2) TPCL Hydro	3.544	28.092	G) Bilateral Power *		
TOTAL TPCL	23.492	186.015	1) MSEDCL Bilateral	53.873	444.455
3) REL Thermal	12.477	88.665	Include PX	16.706	181.309
D) STATE			2) MUMBAI Bilateral	24.168	189.206
1) Thermal (A1+C1+C3)	137.986	1119.859	Include PX	7.220	34.396
2) Hydro (A2+B6+C2)	15.800	150.213	3) MUMBAI Schedule	24.277	196.141
3) Gas (A3)	10.456	82.514	H) ENERGY CATERED (MUs)		
4) Wind (B5)	2.795	27.019	1) MSEDCL	355.475	2840.663
5) CPP/IPP (B1+B2+B3+B4)	95.711	686.182	2) TPCL	38.944	298.452
6) SOLAR (B7)	0.800	8.176	3) REL	22.432	176.894
TOTAL STATE	263.548	2073.963	TOTAL STATE	416.851	3316.009

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4631	4962	4220
MSGENCO Hydro	617	971	69
MSGENCO Gas	431	423	440
MSGENCO Total Generation	5679	6356	4729
Central Sector Receipt	7605	6840	5573
WIND	20	83	182
CPP / IPP	4237	3933	4103
SOLAR	156	52	0
Exchange with Mumbai	-1348	-1271	-465
MSEDCL DEMAND MET	16400	16026	14173
Load Shedding	124	135	56
MSEDCL DEMAND	16524	16161	14229
TPCL GENERATION	1177	1255	833
R-INFRA GENERATION	520	521	522
TPCL+R-INFRA DEMAND	3045	3047	1820
STATE DEMAND MET	19445	19073	15993
STATE DEMAND	19569	19208	16049
Frequency (Hz)	49.97	49.87	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.31 Hz at 06:08 Hrs	49.59 Hz at 10:16 Hrs	49.96	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 08/Oct/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	3.15	21.23	145	122	130
Unit 7	3.00	24.46	155	110	120
Total	6.15	45.69			250
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.25	11.52	150	125	130
Unit 4	0.00	37.12	0	0	0
Unit 5	8.08	63.54	460	265	280
Total	11.34	112.18			410
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.51	22.89	160	129	155
Unit 5	0.00	21.60	0	0	0
Unit 6	4.73	37.45	228	181	189
Unit 7	4.66	37.51	219	174	185
Total	12.90	119.45			529
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.34	23.29	151	119	130
Unit 3	3.45	27.73	164	111	130
Unit 4	3.93	34.64	189	128	150
Unit 5	8.48	69.56	440	300	300
Unit 6	7.45	63.92	385	230	300
Unit 7	6.72	65.41	368	0	325
Total	33.38	284.56			1335
Paras					
Unit 3	4.29	35.21	219	159	180
Unit 4	4.34	33.59	220	170	180
Total	8.63	68.80			360
Khaparkheda					
Unit 1	3.61	28.38	175	130	170
Unit 2	3.51	21.20	165	125	170
Unit 3	3.84	31.39	198	144	170
Unit 4	0.00	25.40	0	0	0
Unit 5	10.06	66.47	500	376	400
Total	21.02	172.84			910
Nasik					
Unit 3	4.18	33.10	190	160	190
Unit 4	3.80	3.92	175	90	160
Unit 5	4.16	32.74	186	161	190
Total	12.14	69.76			540
Uran					
All Units	10.46	82.51	445	422	435
Total	10.46	82.51			435
PENCH (MS)					
Pench (MS)	0.85	7.49	54	14	0
Total	0.85	7.49			0
Koyna					
Stage 1-2	3.90	35.93	440	40	600
Stage 4	3.88	50.30	560	0	250
Stage 3	1.72	19.06	240	0	240
Kovna 12&4 Total	7.78	86.23			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	9.50	105.29			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.13	0	0	0
TILLARI	0.12	0.55	63	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.39	2.36	80	0	41
RNGR+BHTSA	0.34	0.71	15	14	0
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.31	1.03	15	7	15
SMLHY PTN	0.07	0.83	10	0	10
GHATGHAR	0.66	3.72	120	0	0
Total	1.90	9.34			66
Wind					
MalharPeth	0.07	0.73			
Vankuswadi	0.16	1.38			
ATIT	0.01	0.16			
Kale	0.04	0.61			
Satara	1.28	15.62			
Shirala	0.07	0.84			
K Mahankal	0.01	0.07			
Supa	0.06	0.57			
Vita	0.40	2.58			
Dondaicha	0.42	1.91			
Sakri	0.08	0.34			
Nandurbar	0.04	0.61			
Khandke	0.13	0.97			
Khaparale	0.02	0.64			
Total	2.80	27.02			
CPP					
JSW JAIGAD	25.31	219.82	1183	876	1075
WARDHA	5.20	39.70	227	187	230
Adani	50.85	302.26	2330	1790	1655
Other CPPs	14.35	124.40			518
Total	95.71	686.18			3478
SOLAR					
Total	0.80	8.18			
Total	0.80	8.18			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.87	93.52	499	469	500
Trombay 6	3.73	29.84	156	155	500
Trombay 7A	2.76	21.83	120	114	120
Trombay 7B	1.59	12.73	67	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.54	28.09	422	0	447
Total	23.49	186.02			1627
REL					
1&2	12.48	88.66	522	506	500
Total	12.48	88.66			500
Cent Sect					
Share					6904
Total					6904
MS PG CL	Thermal	105.56	873.27		4334
	Thml+Gas	116.02	955.78		4769
	Hydro	11.40	114.63		1156
	Total	127.42	1070.41		5925
State Total		263.55	2073.96		18434

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 08/Oct/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	4156	75	440	4671	175	3795	0	5839	6267	-979	-769	14188	89	14277	2181	16458	49.93
2	4193	75	440	4708	178	3932	0	5734	5999	-826	-623	14215	56	14271	1987	16258	49.98
3	4219	70	440	4729	176	4057	0	5631	5823	-712	-522	14317	56	14373	1883	16256	49.94
4	4220	69	440	4729	182	4103	0	5593	5573	-669	-465	14173	56	14229	1820	16049	49.99
5	4222	78	441	4741	138	4183	0	5571	5628	-647	-450	14291	54	14345	1803	16148	49.96
6	4262	266	445	4973	169	4195	0	5582	6009	-669	-521	14847	77	14924	1882	16806	49.96
7	4263	823	445	5531	155	4242	3	5622	5958	-736	-613	15327	91	15418	1999	17417	50.03
8	4357	862	445	5664	152	4242	28	5651	5579	-764	-788	14900	117	15017	2141	17158	50.01
9	4423	368	440	5231	84	4245	70	5872	5726	-1018	-1063	14318	83	14401	2458	16859	49.97
10	4488	435	443	5366	35	4237	105	6361	6509	-992	-1215	15062	70	15132	2769	17901	49.84
11	4487	404	441	5332	18	4233	135	6993	7176	-1221	-1393	15555	69	15624	2936	18560	49.81
12	4631	617	431	5679	20	4237	156	7092	7605	-1305	-1348	16400	124	16524	3045	19569	49.97
13	5012	618	431	6061	21	4190	132	6779	7163	-1293	-1503	16088	217	16305	3059	19364	50.03
14	5004	902	422	6328	37	3949	80	6485	6689	-1214	-1375	15732	165	15897	3006	18903	49.97
15	4962	971	423	6356	83	3933	52	6534	6840	-1248	-1271	16026	135	16161	3047	19208	49.87
16	4683	1239	424	6346	176	3959	20	6581	6805	-1283	-1513	15833	125	15958	3061	19019	49.98
17	4527	480	428	5435	337	4011	17	6515	6275	-1271	-1476	14646	122	14768	3052	17820	49.95
18	4454	102	428	4984	199	4038	2	6321	5963	-1210	-1351	13885	135	14020	2987	17007	49.82
19	4402	373	432	5207	158	3837	0	6471	7000	-1202	-1209	15047	79	15126	2955	18081	49.89
20	4384	889	434	5707	79	3523	0	6684	6640	-1136	-1304	14668	82	14750	2930	17680	50.05
21	4017	776	435	5228	79	3560	0	6574	7179	-1039	-1228	14839	75	14914	2771	17685	50.05
22	4109	531	435	5075	49	3593	0	6247	6315	-985	-1128	13924	74	13998	2618	16616	50.02
23	4079	294	436	4809	49	3658	0	6453	6281	-973	-1158	13666	74	13740	2534	16274	49.95
24	4007	85	437	4529	46	3759	0	6475	6301	-885	-1121	13528	74	13602	2452	16054	49.95
MUs	105.56	11.40	10.46	127.42	2.80	95.71	0.80	149.66	153.30	-24.28	-25.41	355.48	2.30	357.77	61.38	419.15	49.96

NOTE : ALL VALUES IN MW

Mumbai Sch./Net Exch is shown with reference to MSETCL System. (+) indicates Mum. to MSETCL and (-) indicates MSETCL to Mum. Mumbai Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 08/Oct/2014

Position as on 6.30 Hrs of 09/Oct/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Koyna Unit 11	80	23/09/2014	02.30		Continued.	Stator Earth Fault	
Koyna Unit 1	75	08/10/2014	10.00	09/10/2014	22.35	Needle O/H and P.M.Work	
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
CPP WPCL U-1	135	30/01/2014	12.45	09/10/2014	06.27	turbine vibration	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
Koradi Unit 5	200	17/06/2014	11.53		Continued.	economic shutdown	
Chandrapur Unit 1	210	28/08/2014	07.15		Continued.	economic shutdown	
Uran Unit 8	108	04/09/2014	19.33		Continued.	Gas Shortage	
Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
CPP Adani U-2	660	15/09/2014	11.28		Continued.	GT Blast(fire on Y-Ph).	
CPP IPL U-2	270	01/10/2014	08.10		Continued.	Coal Shortage	
CPP VIPL U-2	300	05/10/2014	00.30		Continued.	CHP coal feeding prob.	
Bhusawal Unit 4	500	05/10/2014	15.48		Continued.	BTL	
Parli Unit 5	210	07/10/2014	00:26		Continued.	Coal Shortage.	
Khaparkheda Unit 4	210	07/10/2014	12.50	09/10/2014	22.08	BLR T/L.	
CPP JSW (J) U3	300	08/10/2014	12.54	08/10/2014	21.21	Gen.Protection	
CPP Adani U1	660	08/10/2014	18.48		Continued.	Boiler Tube Leakage	
Chandrapur Unit 7	500	08/10/2014	20.04	09/10/2014	03.35	Tripped,Coal Mill Flash Over	
Koradi Unit 6	210	09/10/2014	22.51		Continued.	Boiler Tube Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 08/Oct/2014

Position as on 6.30 Hrs of 09/Oct/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
765 KV Aurangabad PG - Wardha PG - II	09/10/2014	13.19	09/10/2014	18.01	Hot Spot
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalmeshwar - Pandurna	08/10/2014	09.02	08/10/2014	15.10	Q.M.Work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	07/10/2014	17.09	08/10/2014	09.12	Over Voltage.
Kolhapur - Mapusa - II	08/10/2014	16.21	09/10/2014	09.00	Over Voltage
Kolhapur - Mapusa - I	09/10/2014	16.40		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 500MVA ,GT-5 at Deepnagar	22/09/2014	10.50		Continued.	Repl.damaged poles of main CB pole.
Karad - Newkoyna - I	07/10/2014	11.15	09/10/2014	10.15	Relay Retrofitting Work.
400/132KV,200MVA ICT-I at Khadka.	08/10/2014	11.09	08/10/2014	16.32	Hot Spot (ICT LV Side will be on TBC)
400/132 KV 200 MVA ICT - II @ Khadka	08/10/2014	17.18	08/10/2014	18.37	Hot Spot (ICT LV Side will be on TBC)
400/220 KV 315 MVA ICT-II @ Lonikand	09/10/2014	08.43	09/10/2014	21.32	Hot Spot
Karad - Lonikand	09/10/2014	15.44		Continued.	Relay retrofitting work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
BBLSR-Waluj	06/10/2014	17:13		Continued.	To Attend Hot Spot on Y-ph CT.(Ready for Charging.)
220/132 KV 200 MVA ICT-I @ Harangul.	07/10/2014	18.17		Continued.	CT and isolator PAD Repl.work.
Kalwa - Siemens	08/10/2014	08.03	08/10/2014	17.53	Balance Jumpering work
Pedambe-Newkoyna	08/10/2014	09.33	08/10/2014	13.15	Hot Spot
Apta-HOC	08/10/2014	11.15	08/10/2014	16.20	R.M.Work
220/100KV 200MVA ICT-II at Kalwa	08/10/2014	11.55	08/10/2014	13.10	RTCC Panel comm.work
220/100KV 200MVA ICT-IV at Kalwa	08/10/2014	13.19	08/10/2014	14.10	RTCC Panel comm.work
Padgha - Temghar - II	09/10/2014	06.00	09/10/2014	09.17	Hot Spot
Mahape - Siemens	09/10/2014	08.46	09/10/2014	18.14	Jumpering work
220/132 KV,200MVA ICT-I at Nasik GCR	09/10/2014	09.09	09/10/2014	14.27	Maint.work
Aurangabad-Chitegaon-II	09/10/2014	10.40	09/10/2014	14.46	Half Yearly Maint.work
Kanhan - Umred	09/10/2014	11.15	09/10/2014	14.30	Tan Delta of CT and CC
Kanhan - Umred - II	09/10/2014	15.13	09/10/2014	19.01	Measurement of Tan Delta of CT
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	07/10/2014	15.35	08/10/2014	08.56	Over Voltage.
Karad - Kolhapur - II	08/10/2014	20.42	09/10/2014	08.48	Over Voltage
Bhusawal- Aurangabad	08/10/2014	22.55	09/10/2014	10.20	Over Voltage
Karad - Kolhapur - I	09/10/2014	20.53		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Newkoyna - Jaigad - I	09/10/2014	11.35	09/10/2014	11.58	Bus Bar Prot.operated at N.koyna
New Koyna - Dabhol - I	09/10/2014	11.35	09/10/2014	13.05	Bus Bar Prot.operated at N.koyna

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 08/Oct/2014

Position as on 6.30 Hrs of 09/Oct/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
New Koyna - Stage IV	09/10/2014	11.35	09/10/2014	12.05	Bus Bar Prot.operated at N.koyna
400/220KV 315MVA ICT-II @ New Koyna	09/10/2014	11.35	09/10/2014	12.12	Bus Bar Prot.operated at N.koyna
Bus Coupler @ New Koyna	09/10/2014	11.35	09/10/2014	11.56	Bus Bar Prot.operated at N.koyna
765 KV Wardha PG - Aurangabad PG 1	09/10/2014	17.50	09/10/2014	19.06	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Borivali - Salset - I	04/10/2014	17.20		Continued.	Cable Fault At Borivali.
Pedambe - Mahad	09/10/2014	17.11	09/10/2014	17.30	Distance Protection
Uran - Apta (HOC)	09/10/2014	17.21	09/10/2014	23.05	Distance Protection
Vita - Lamboti	09/10/2014	23.15		Continued.	Distance protection
Voltage Level : 132KV			Outage Type TRIPPED		
Jalna-Badnapur	08/10/2014	14.56	08/10/2014	15.33	Distance Protection
Eldari - Jintur	08/10/2014	21.57	08/10/2014	22.20	Distance Protection
Kanhan - Bhandara	09/10/2014	04.23	09/10/2014	04.51	Distance Protection
Amravati - Morshi	09/10/2014	05.32	09/10/2014	05.39	Distance Protection
Paras-Patur	09/10/2014	06.18	09/10/2014	06.28	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 09/Oct/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	135
Unit 7	210	145
	620	280
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	0
Unit 5	500	320
	1420	460
Parli		
Unit 3	210	0
Unit 4	210	140
Unit 5	210	0
Unit 6	250	175
Unit 7	250	170
	1130	485
Chandrapur		
Unit 1	210	0
Unit 2	210	150
Unit 3	210	180
Unit 4	210	200
Unit 5	500	300
Unit 6	500	300
Unit 7	500	300
	2340	1430
Paras		
Unit 3	250	180
Unit 4	250	180
	500	360
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	0
Unit 5	500	400
	1340	910
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	450
	852	450
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	63
BHTGR/VEER	21	15
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	183
Wind		
MalharPeth	0	
Vankuswadi	0	
ATIT	0	
Kale	0	
Satara	0	
Shirala	0	
K Mahankal	0	
Supa	0	
Vita	0	
Dondaicha	0	
Sakri	0	
Nandurbar	0	
Khandke	0	
Khaparale	0	
	0	
CPP		
JSW JAIGAD	1200	1075
WARDHA	405	360
Adani	2640	1223
Other CPPs	300	518
	4545	3176
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	7137
	3455	7137